

Drifting Snowflake

by Arya Akhavan (August 2013)

Angles for R.I. = 1.580

79 + 12 girdles = 91 facets

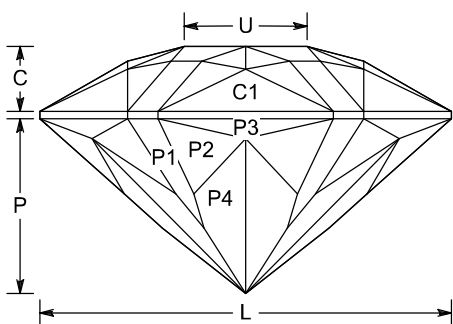
6-fold, mirror-image symmetry

96 index

$L/W = 1.100$ $T/W = 0.379$ $U/W = 0.328$

$P/W = 0.466$ $C/W = 0.174$

$Vol./W^3 = 0.245$



PAVILION

P1	41.64°	08-24-40-56-72-88	Cut to centerpoint.
P2	42.90°	02-14-18-30-34-46- 50-62-66-78-82-94	Meet at culet.
G1	90.00°	96-16-32-48-64-80	Set stone size.
G2	90.00°	08-24-40-56-72-88	Level girdle.
P3	63.54°	96-16-32-48-64-80	Level girdle.
P4	41.14°	01-15-17-31-33-47- 49-63-65-79-81-95	Meet P2, P3

CROWN

C1	39.92°	96-16-32-48-64-80	Set girdle width.
C2	29.75°	08-24-40-56-72-88	Level girdle.
C3	30.61°	04-12-20-28-36-44- 52-60-68-76-84-92	Meet G1, G2, C1, C2
C4	19.10°	01-15-17-31-33-47- 49-63-65-79-81-95	Meet C1, C3
C5	14.72°	08-24-40-56-72-88	Meet C2, C3, C4
T	0.00°	Table	Meet C4, C5

As you may have noticed, I really like designs with bars across the tops. For this particular crown, full bars just wouldn't work, so I went with this design instead. It produces a surprisingly snowflake-like reflection pattern.

Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but I prefer aquamarine.

Suggested size = 7-15 mm

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